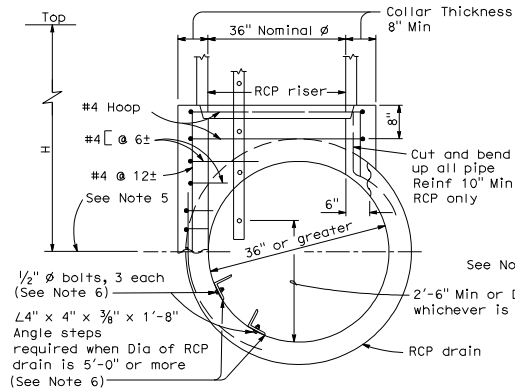
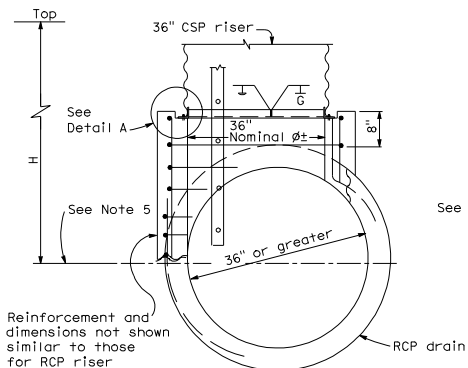


PLAN

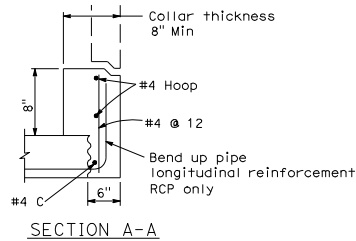


WITH 36" RCP RISER

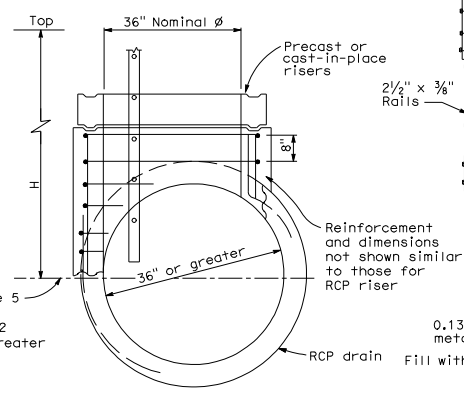


WITH 36" CSP RISER

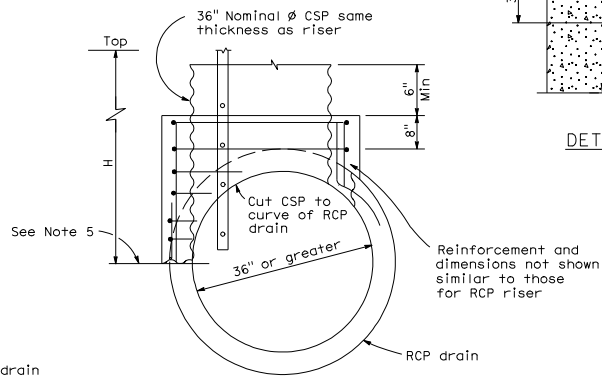
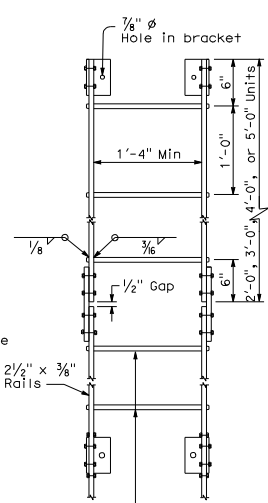
REINFORCED CONCRETE PIPE DRAIN



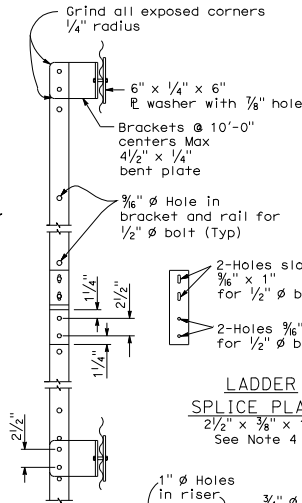
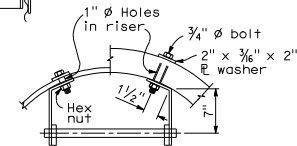
SECTION A-A



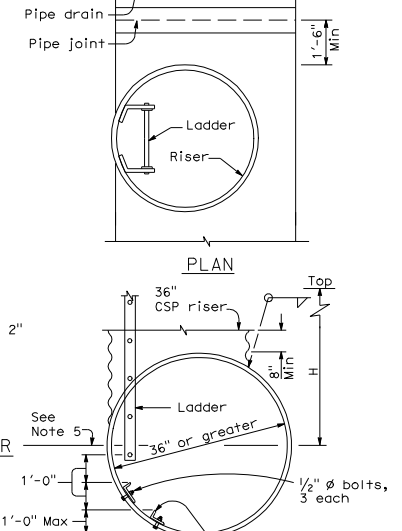
WITH 36" PRECAST RISERS

WITH 36" CSP RISER
ALTERNATIVE COLLAR DETAIL

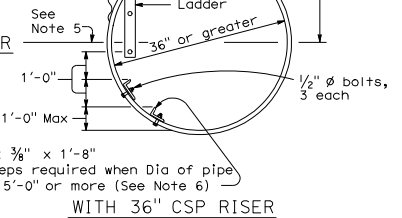
DETAIL A

LADDER
SPLICE PLATE
2 1/2" x 3/8" x 10"
See Note 4

LADDER CONNECTION TO RISER

LADDER DETAILS
See Notes 2, 3 and 7

PLAN

CORRUGATED STEEL PIPE OR
STRUCTURAL PLATE PIPE DRAIN

NOTES:

1. Galvanizing: See Standard Specifications or Special Provisions. All hardware to be galvanized after fabrication.
2. Ladder may be constructed in one length at contractor's option on reinforced concrete pipe risers.
3. On corrugated steel pipe riser, connect ladder splice plate so joint can compress 1/2".
4. Ladder splice plate to be connected with 1/2" ϕ bolts with double nuts.
5. Pay limit for 36" risers to centerline of cross pipe.
6. Where angle steps are required, the lowest angle shall not be more than 1'-0" above the flowline of the drain. The distance between angle steps and between the uppermost angle step and the lowest rung of the ladder shall not exceed 1'-0". Power driven fasteners, equivalent to the 1/2" bolts shown, may be used for fixing the angle steps to the wall of the reinforced concrete pipe drain.
7. Install ladder so that the highest rung is not more than 1'-0" below the top of the riser.

STATE OF CALIFORNIA
DEPARTMENT OF TRANSPORTATION

PIPE RISER CONNECTIONS

NO SCALE

D93A

DIST	COUNTY	ROUTE	POST MILES TOTAL PROJECT	SHEET NO.	TOTAL SHEETS

REGISTERED CIVIL ENGINEER
 May 1, 2006
 PLANS APPROVAL DATE
 The State of California or its officers or agents shall not be responsible for the accuracy or completeness of electronic copies of this plan sheet.
 To get to the Caltrans web site, go to <http://www.dot.ca.gov>

REGISTERED PROFESSIONAL ENGINEER
 Glenn DeCoy
 No. C34547
 Exp. 9-30-07
 CIVIL
 STATE OF CALIFORNIA